generated in a program counter trace stream. The sync marker includes a plurality of packets, the packets identifying that the sync marker is has been generated as a result of the NEW SECONDARY CODE EXECUTION START POINT signal. The new secondary program code start point sync marker identifies the absolute program counter address at the time of the generation of the NEW SECONDARY CODE EXECUTION START POINT signal and relates the NEW SECONDARY CODE EXECUTION START POINT signal sync marker to a timing trace stream. ~~The NEW SECONDARY CODE EXECUTION START POINT signal is generated after the instructions from the original secondary code sequence are removed from the pipeline flattener and the first new secondary code instruction is removed from the pipeline flattener. In this manner, the host processing unit is provided with the initiation and the context of a new secondary code execution.~~

In the Specification

Please delete the Paragraph beginning at Page 1, Line 5 and replace this Paragraph with the following Paragraph.

- -U.S. Patent Application No. 10/728,627 ~~(Attorney Docket No. TI-34654)~~, entitled APPARATUS AND METHOD FOR SYNCHRONIZATION OF TRACE STREAMS FROM MULTIPLE PROCESSING UNITS, invented by Gary L. Swoboda, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,212 ~~(Attorney Docket No. TI-34655)~~, entitled APPARATUS AND

METHOD FOR SEPARATING DETECTION AND ASSERTION OF A TRIGGER
EVENT, invented by Gary L. Swoboda, filed on even date
herewith, and assigned to the assignee of the present
application; U.S. Patent Application No. 10/729,239
(Attorney Docket No. TI-34656), entitled APPARATUS AND
METHOD FOR STATE SELECTABLE TRACE STREAM GENERATION,
invented by Gary L. Swoboda, filed on even date herewith,
and assigned to the assignee of the present application;
U.S. Patent Application No. 10/729,650 (Attorney Docket No.
TI-34657), entitled APPARATUS AND METHOD FOR SELECTING
PROGRAM HALTS IN AN UNPROTECTED PIPELINE AT NON-
INTERRUPTIBLE POINTS IN CODE EXECUTION, invented by Gary L.
Swoboda, filed on even date herewith, and assigned to the
assignee of the present application; U.S. Patent
Application No. 10/729,591 (Attorney Docket No. TI-34658),
entitled APPARATUS AND METHOD FOR REPORTING PROGRAM HALTS
IN AN UNPROTECTED PIPELINE AT NON-INTERRUPTIBLE POINTS IN
CODE EXECUTION, invented by Gary L. Swoboda, filed on even
date herewith, and assigned to the assignee of the present
application; U.S. Patent Application No. 10/729,407
(Attorney Docket No. TI-34659), entitled APPARATUS AND
METHOD FOR A FLUSH PROCEDURE IN AN INTERRUPTED TRACE
STREAM, invented by Gary L. Swoboda, filed on even date
herewith, and assigned to the assignee of the present
application; U.S. Patent Application No. 10/729,564
(Attorney Docket No. TI-34660), entitled APPARATUS AND
METHOD FOR CAPTURING AN EVENT OR COMBINATION OF EVENTS
RESULTING IN A TRIGGER SIGNAL IN A TARGET PROCESSOR,
invented by Gary L. Swoboda, filed on even date herewith,
and assigned to the assignee of the present application;

U.S. Patent Application No. 10/729,400 ~~(Attorney Docket No.~~ ~~TI 34661)~~, entitled APPARATUS AND METHOD FOR CAPTURING THE PROGRAM COUNTER ADDRESS ASSOCIATED WITH A TRIGGER SIGNAL IN A TARGET PROCESSOR, invented by Gary L. Swoboda, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,592 ~~(Attorney Docket No. TI 34662)~~, entitled APPARATUS AND METHOD DETECTING ADDRESS CHARACTERISTICS FOR USE WITH A TRIGGER GENERATION UNIT IN A TARGET PROCESSOR, invented by Gary L. Swoboda and Jason L. Peck, filed on even date herewith, and assigned to the assignee of the present application U.S. Patent Application No. 10/729,639 ~~(Attorney Docket No. TI 34663)~~, entitled APPARATUS AND METHOD FOR TRACE STREAM IDENTIFICATION OF A PROCESSOR RESET, invented by Gary L. Swoboda and Bryan Thome, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,327 ~~(Attorney Docket No. TI 34665)~~, entitled APPARATUS AND METHOD FOR TRACE STREAM IDENTIFICATION OF A PIPELINE FLATTENER PRIMARY CODE FLUSH FOLLOWING INITIATION OF AN INTERRUPT SERVICE ROUTINE; invented by Gary L. Swoboda and Bryan Thome, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,647 ~~(Attorney Docket No. TI 34666)~~, entitled APPARATUS AND METHOD FOR TRACE STREAM IDENTIFICATION OF A PIPELINE FLATTENER SECONDARY CODE FLUSH FOLLOWING A RETURN TO PRIMARY CODE EXECUTION, invented by Gary L. Swoboda and Bryan Thome, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,401 ~~(Docket~~

No. TI-34667), entitled APPARATUS AND METHOD IDENTIFICATION OF A PRIMARY CODE START SYNC POINT FOLLOWING A RETURN TO PRIMARY CODE EXECUTION, invented by Gary L. Swoboda, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,190 (Attorney Docket No. TI-34669), entitled APPARATUS AND METHOD FOR TRACE STREAM IDENTIFICATION OF A PAUSE POINT IN A CODE EXECTION SEQUENCE, invented by Gary L. Swoboda, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,196 (Attorney Docket No. TI-34670), entitled APPARATUS AND METHOD FOR COMPRESSION OF A TIMING TRACE STREAM, invented by Gary L. Swoboda and Bryan Thome, filed on even date herewith, and assigned to the assignee of the present application; U.S. Patent Application No. 10/729,272 (Attorney Docket No. TI-34671), entitled APPARATUS AND METHOD FOR TRACE STREAM IDENTIFCATION OF MULTIPLE TARGET PROCESSOR EVENTS, invented by Gary L. Swoboda and Bryan Thome, filed on even date herewith, and assigned to the assignee of the present application; and U.S. Patent Application No. 10/729,191 (Attorney Docket No. TI-34672), entitled APPARATUS AND METHOD FOR OP CODE EXTENSION IN PACKET GROUPS TRANSMITTED IN TRACE STREAMS, invented by Gary L. Swoboda and Bryan Thome, filed on even date herewith, and assigned to the assignee of the present application are related applications.- -